

Fig. 1

Ctuels tun (and impli	i d location on court)					
Strok typ (and impli d location on court)						
Play r n th ft	Play r on the right					
1 FH Ground Stroke	3 FH Ground Stroke					
4 FH Volley	6 FH Volley					
44 FH Overhead and Serve	66 FH Overhead and Serve					
11 FH Approach	33 FH Approach					
7 BH Ground Stroke	9 BH Ground Stroke					
* BH Volley	# BH Volley					
** BH Overhead ## BH Overhead						
77 BH Approach	99 BH Approach					
210 Stroke placement	220 Stroke error					
2 Cross Court; opt default	020(0) Wide					
5 Middle	050(0) Net					
8 Down the Line	080(0) Long					
0 Inside Out	0852(0) Mis-nit					
	 					
230 Stroke Trajectory	optional (0) indicates forced error					
22 Drop shot (240)						
55 Lob	858 Stroke winner					
88 Passing shot						
(250) Corrections						
15551 Let						
35553 Point played over						
052 Back over last entry						
0525 Back over last entry; Can be repeated up to the previous point entries						
0528 Ignore all shots in the point up to the serve in; Entry errors.						
0520 Ignore all shots in the point; Entry errors.						
Sold Ignore an one of the point and point and of the						
(260) Miscellaneous						
	player 1 on left, etc. notation (only after concluding entry)					
252 Missed some strokes.						
2255 Missed part of the match, e	enter complete match score from where recording picks up					
123 Start of a tiebreak						
13 Lplayer - serve is from deu	ce court					
79 Lplayer serve is from ad co						
31 Rplayer - serve is from deu						
97 Rplayer serve is from ad co						
(270) Concluding Entries						
**** Point over; Player on the left won. (Optionally followed by Game Score entry)						
#### Point over: Player on the ric	ght won. (Optionally followed by Game Score entry)					
#### Point over; Player on the right won. (Optionally followed by Game Score entry) 7777 Game over. Player on the left won;						
9999 Game over Player on the right won.						
4444 Set over. Player on the left won						
6666 Set over, Player on the right won.						
1111 Match over; Player on the I						
3333 Match over; Player on the						
#963 Match stopped or postponed						

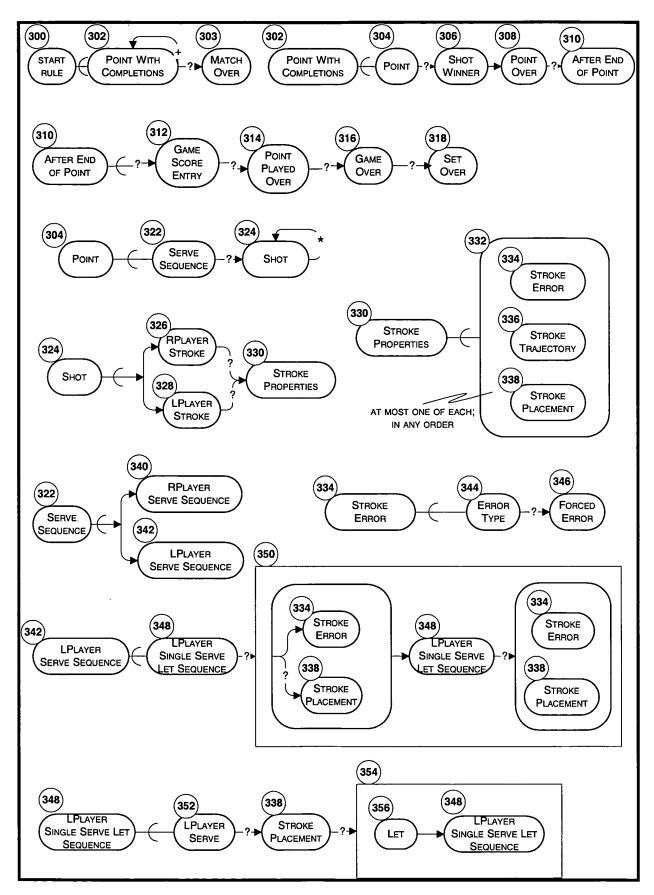


Fig. 3

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LPLAYERSERVE :
LPLAYERSTROKE:
                                           ('PLAYER 1'| 'P 1') (?)
('PLAYER 1'| 'P 1') (?)
PLAYERSTROKE
                                           RPLAYERSERVE :
                                           ('PLAYER 2'| 'P 2') (?)
RPLAYERSTROKE:
                                            SERVE
('PLAYER 2'| 'P 2') (?)
PLAYERSTROKE
                                           SERVE :
                                           'SERVE'
                                            ( 'FROM'(?)
                                            ('AD' | 'DEUCE')
PLAYERSTROKE:
(FORB
                                            `SIDE' (?)
('GROUND' | 'BASE' | 'BASELINE')(?)
                                           ) (?)
FORB (?) 'VOLLEY'
FORB (?) 'OVERHEAD'
FORB (?) 'APPROACH'
                                           LET :
                                            'LET'
FORB:
FOREHAND BACKHAND
                                           POINTPLAYEDOVER :
                                            'POINT'(?) 'PLAYED OVER'
FOREHAND:
'FOREHAND' | 'FORE'
                                           SHOTWINNER:
                                           'SHOT'(?) 'WINNER'
BACKHAND:
'BACKHAND' | 'BACK'
                                           MATCHOVER:
                                           'Match Over'
                                            ('PLAYER' ('1'|'2') 'WON')(?)
ERRORTYPE:
('ERROR' 'OUT')(?)
('WIDE' | 'NET' | 'LONG' | 'MIS-HIT')
                                           SETOVER:
                                            'SET OVER'
                                            ('PLAYER' ('1'|'2') 'WON')(?)
FORCEDERROR:
'FORCED'
                                           GAMEOVER:
                                            'GAME OVER'
                                            ('PLAYER' ('1'|'2') 'WON')(?)
STROKEPLACEMENT:
'CROSS' 'COURT'(?) | 'MIDDLE'
 'Down'(?) 'THE'(?) 'LINE'
 'Inside Out'
                                           POINTOVER :
                                            'POINT OVER'
                                            ('PLAYER' ('1' | '2') 'Won')(?)
STROKETRAJECTORY:
'DROP SHOT' | 'LOB'
  'PASSING SHOT'
```

```
LPLAYERSTROKE:
  '44' | '11' | '1' | '4'|
'**' | '77' | '7' | '*'
RPLAYERSTROKE:
 '66' | '33' | '3' | '6' |
'##' | '99' | '9' | '#'
ERRORTYPE:
 '020' | '050' | '080' | '0852'
FORCEDERROR:
 '0'
STROKEPLACEMENT:
'2' | '5' | '8' | '0'
STROKETRAJECTORY:
'22' | '55' | '88'
LPLAYERSERVE :
'44'
RPLAYERSERVE:
'66'
LET :
'15551'
POINTPLAYEDOVER:
'35553'
SHOTWINNER:
'858'
MATCHOVER:
'1111' | '3333'
SETOVER:
'4444' | '6666'
GAMEOVER:
י9999' | י7777'
POINTOVER:
```

MATCH INFO 610 WINNER **PLAYERS** NAME JOHN DOE PLAYER 1 JOHN DOE JR X PLAYER 2 620 MATCH DATE AND TIME **JULY 24, 2003 MATCH DURATION** 3 HOURS TYPE OF RECORDING ALL STROKES 630 **MATCH SCORE** SET 5 SET 1 SET 2 SET 3 SET 4 **PLAYER** 3 6 3 Player 1 6 4 6 PLAYER 2 MATCH STATISTICS FOR John Doe Jr. 640 **SUMMARY STATISTICS** 140 POINTS PLAYED 70% 85 POINTS WON 7% 10 WINNERS 32% 45 ERRORS 25% 35 UNFORCED ERRORS 3/7 BREAK CHANCES 21% 3 BROKEN SERVICE GAMES 60% FIRST SERVE CONSISTENCY 70% RETURN OF SERVE CONSISTENCY 650 WINNERS AND ERRORS BY STROKE BH BH FH BH FH BH FH BH FH FH **SERVE** SERVE Voll Voll OVER OVER APPR APPRO RETU BASE BASE RETU 1 2 HEAD HEAD OACH ACH RN RN LINE LINE EY EY 2 0 0 0 WINNERS 2 0 1 0 1 1 1 4 9 1 3 1 2 1 42 10 4 6 4 **ERRORS**

-8

0

-3

+1

-2

+1

-4

-3

-40

BALANCE

-10

-4

-6

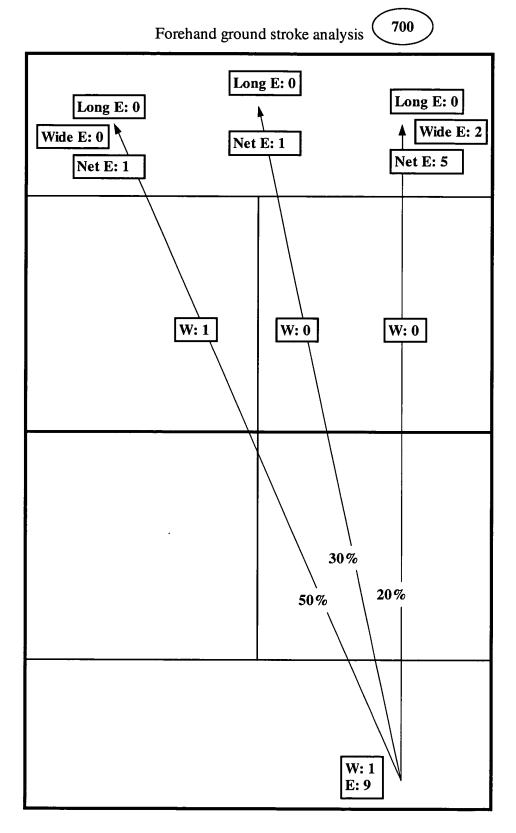


Fig. 7

810 PointInfo Table Sch ma							
	Field	Туре	Attributes	Null	Default		
PΚ	RedD	int(10)	UNSIGNED	No	0		
PK	<u>PaintInMatch</u>	int(10)	UNSIGNED	No			
	PaintInGame	int(10)	UNSIGNED	No	0		
	PlayedOver PlayedOver	tinyint(1)	UNSIGNED	Yes	0		
	WinningPlayerSide	enum(LP', RP')		Yes	NULL		
	WinningPlayerRef	tinyint(1)	UNSIGNED	Yes	0		
	WinnerOrE rror	tinyint(1)	UNSIGNED	Yes	0		
	ServingPlayerRef	tinyint(1)		Yes	0		
	FirstServeln	tinyint(1)	UNSIGNED	Yes	0		
	SecondServeIn	tinyint(1)	UNSIGNED	Yes	0		
	LPlayerRef	tinyint(1)	UNSIGNED	Yes	0		
	RPlayerRef	tinyint(1)	UNSIGNED	Yes	0		
	LPEnteredScore	varchar(5)		Yes			
	RPEnteredScore	varchar(5)		Yes			
	LPRunningScore	varchar(5)		Yes			
	RPRunning\$core	varchar(5)		Yes			
	CompleteRecording	tinyint(1)	UNSIGNED	Yes	0		
	RecordingErrors	tinyint(1)	UNSIGNED	Yes	0		

	820	Strokelnfo Table So	eInfo Table Schema					
	Field	T ype	Attributes	Null	Default			
PK	RedD	int(10)	UNSIGNED	No	0			
PK	<u>StrokelnMatch</u>	int(10)	UNSIGNED	No				
	PaintInMatch	int(10)	UNSIGNED		0			
	StrokeInPoint	int(10)	UNSIGNED		0			
	PlayerRef	tinyint(1)	UNSIGNED	No	0			
	StrokeType FH StrokePlacement	enum('S erve1', 'S erve2', 'GroundS troke', 'Volley', 'Overhead', 'Approach') tinyint(1) enum('Cross Court', 'Middle', 'DownT heLine', 'InsideOut')	UNSIGNED	No No Yes	Serve1 0 NULL			
	StrokeTrajectory Let Winner	enum('DropS hot', 'Lob', 'PassingS hot') tinyint(1) tinyint(1)	UNSIGNED UNSIGNED	Yes Yes Yes	NULL 0 0			
	ErrorType ForcedError StartRedndex EndRedndex	enum('Wide', 'Net', 'Long', 'Mishit') tinyint(1) int(10) int(10)	UNSIGNED UNSIGNED UNSIGNED	Yes Yes No No	NULL O O O			

	Vo	ice nota	tion for	reco	rding sing	gle	s ter	nis ma	itches		
		□ (910)			I						
	J		S rve Ir				r= _	T			
	1st/2nd ?	Stroke	Positi	on ?	Placemen	t ?	Error?				
<u>player 1</u>			<u>ad</u>		cross .		error	net	winner	let	
p1	s econd	serve	from ad		cross court		<u>out</u>	lang		<u></u>	
dayer 2			from ads	<u>iae</u>	midde			wide			
p2		1	deuce		center			miss-hit			
1 (1881)	should be	<u> </u>		rom deuce line rom deuce side down line		·····	Error/Winner/Let				
given ic serve of	or the first		from deuce side		down the lin	~	are mutually e		y exclusive		
	or after							<u> </u>			
input is recogni recordii	not zed or	2. '	'?" After ei	ntry head	ding means -	- en	try is o	otional	nd" and "fore" , unless speci		
interrup		 (920)	Stroke i	nform	ation entri	ies	I	·			
Player ?	Side	Stroke ?	Placen		Trajectory		Error?	Err Type	e? Forced?	Winn	
	forehand	ground	cross		dropshot		error	net	forced	winner	
p1 fore		bose ,	crass ca	urt	lab	***************************************	out .	long	1.5.55		
	backhand	bos eline	middle		passing shot		wide	1. If not giver	100000000000000000000000000000000000000		
p2	back	valley	center		Ĺ .	•••••••••••••••••••••••••••••••••••••••		miss-hit	unforced erro	C. 100 (200 (200 (200))	
		overhead	line			***************************************			assumed	575.0 (1988) (1988)	
		approach	down line						2. forced may	v be	
If str	troke is not		down the line					ļ	The second of the second of the second of	iven only if error is	
1 1 100	cified, groun	d	inside out		t and			given			
	ke is assum	· I I — — — — — — — — — — — — — — — — —		acement							
			Trajectory may be			Err Type may be given only if					
			£ .	en in an	1 0000 To 2 2 1 1 2 2 1			given.			
	930			X***		L					
	Concluding		entries	S		***************************************		940	Score entri	es	
Segment Over		Play					Prefix		Entry 2		
***************************************	paint		player 1 v					·		adin	
	game	over	p 1 won					s core	~~~~~\$~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~	dout	
s et match			player 2 wan			•••••				euce	
			p2 wan						0	0	
								love	love		
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